



**CORDED, CORDLESS,  
RECHARGEABLE COMPRESSOR, INFLATOR  
AND LANTERN LIGHT COMBO**



**OWNER'S MANUAL  
& WARRANTY INFORMATION**

THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. BEFORE USE, READ AND UNDERSTAND ALL CAUTIONS, WARNINGS, INSTRUCTIONS AND PRODUCT LABELS. FAILURE TO DO SO COULD RESULT IN INJURY AND/OR PROPERTY DAMAGE.



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**NOTE:** This product is shipped in a partially charged state. Before use, charge battery using AC method for 24 hours.

## **IMPORTANT SAFETY INFORMATION**

Be sure to read and understand all WARNINGS and CAUTIONS before using this product. Please read this guide carefully before use to ensure optimum performance and avoid damage to the system or items that you are using it with. Failure to follow instructions may cause property damage, and/or personal injury. Warnings define conditions that can cause injury to people. Cautions define conditions that may cause damage to equipment.

### **WARNINGS:**

1. Improperly attached hoses or nozzles can fly out under compressor pressure. Make sure all connections are tight before turning compressor ON.
2. There is risk of dust or dirt being released if the compressor hose or nozzles are not clean when the compressor is turned on.
3. Wearing protective goggles while operating these appliances can protect eyes from flying particles of dust and dirt.
4. Keep out of reach of children. These appliances are not toys!
5. Replace worn or defective parts immediately - contact Vector® customer service department (954)584-4446 or toll free (866)-584-5504.
6. During AC recharge, make sure that the AC charging adapter is kept away from water or moisture during use. If recharging around water, make sure the 120 volt AC outlet is GFCI protected.
7. Make sure all cords and adapter wires are placed so they are not tripped over or damaged by pinching, abrading or cutting. Do not place wires near moving objects, doors or sharp objects.
8. Never exceed recommended pressures - bursting articles can cause serious injury. Always check pressure with the pressure gauge.
9. Do not carry charger and adapters by their cords; carry items by the body of unit itself.
10. There are no user serviceable parts except for replaceable battery pack, AC recharge adapter, hose and pumps.
11. Do not operate unit if there is any evidence of damage.
12. Never use air compressor or inflator near flammable liquids, gas or open flames.
13. Keep working area well lit.
14. Do not direct air into eyes, ears, nose or other parts of the body.

### **CAUTIONS:**

1. When the compressor, inflator or lamp are powered from external DC, make sure the voltage is rated at 12 volt DC. Do not operate with 6 volts or 24 volts.
2. Make sure that the compressor or inflator are not operated continuously for more than 10 minutes. Allow to cool for at least five minutes before turning back on.
3. Make sure battery pack is fully charged before operating. Recharge every 60 days for the recommended time to extend life of battery pack's internal battery. For immediate use, attach the DC adapter and operate the appliances from an external 12 volt DC source.
4. To avoid over-inflation, carefully follow instructions on articles to be inflated.
5. Never leave appliances unattended while in use. Allow compressor to cool for five minutes after 10 minutes of continuous operation.
6. Do not use accessories that are not designed to be used with these appliances.
7. Do not place battery pack on heater; keep it out of sunlight.
8. Do not charge battery when it is at, or above, 122° F (50° C). Allow the battery pack to cool before charging.

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## 1. INTRODUCTION

Congratulations on selecting the Vector AirPro™ Model VEC259 Compressor/Inflator and Lantern Light combo. This system is an advanced, high-pressure (up to 260 PSI), multi-use air compressor system with unique features that set it far above the value and utility of ordinary compressors for mobile use. It is supplied with a standard tire valve chuck for filling auto, truck, bike, and motorcycle tires. Additionally, two different adapters are supplied to inflate soccer balls, footballs, and popular inflatables. These adapters are conveniently stored in a hatch in the compressor body. It is powered from its own snap-on/off powerful battery, to be used anywhere it is needed. It can also operate from a standard 12 volt DC electrical system found on: trucks, cars, boats, airplanes, RVs and tractors, using the supplied DC power adapter. A supplied standard 120 volt AC charger recharges the battery when required. Typically, up to three completely flat tires can be inflated before the battery pack has to be recharged.

The inflator and light share the battery pack and DC power adapter. The inflator is used to inflate and deflate air beds, balls, rafts, etc. The lantern is versatile and provides a spotlight, fluorescent area light, and emergency flasher.

Extra battery packs can be purchased, if completely cordless operation is required (part VEC194). Operating these appliances with the DC power adapter is ideal for use with Vector 12 volt DC cordless, portable, rechargeable DC power supplies, if extended operating time in the field is required.

The compressor on/off switch controls operation of the compressor. It can be conveniently depressed and released to control inflation. An exact pressure is obtained by observing the gauge and releasing the trigger when the correct pressure is achieved. For longer inflation operations, the trigger lock can be moved laterally to lock the trigger in the ON position. Pushing the trigger lock to the opposite direction releases the trigger and stops inflation.

## 2. ADDITIONAL KEY FEATURES

- Trigger switch with lock to allow hands free operation
- Corded - includes a DC power adapter for use with standard 12 volt DC power supply
- Battery pack includes non-spillable, maintenance-free, heavy duty, sealed, high-density, lead-acid battery
- Requires no maintenance (other than recharging and cleaning) for optimum operation
- Supplied 120 volt AC charger is Underwriter Laboratories (UL) safety tested and listed
- Battery charging LED on battery automatically activated during AC recharge
- Analog pressure gauge to 260 PSI compressor
- Nozzle hatch for storing nozzles in compressor
- 3 nozzles for inflator

FIGURE 2



### CAUTION:

This battery pack is delivered in a partially charged state - you must fully charge it before using it for the first time. Initial AC charge should be for 24 hours. Refer to Section 6 for use of AC adapter and detailed charging instructions.

### 3. ATTACHING THE COMPRESSOR'S AIR HOSE

The air hose is supplied as a separate item from the compressor body. The hose has a ribbed brass fitting at one end and a standard tire chuck at the other end. To use the hose it must first be connected to the compressor outlet. Loosen the hose retaining ring (counterclockwise), insert the hose fitting into the short, rubber sealing sleeve. Make sure the hose fitting is inserted fully into the sleeve. Partially tighten (clockwise) the hose-retaining ring and push the fitting in further. Do this two or three times until the fitting is firmly attached and the ring is firmly tightened.

**WARNING:**

Improperly attached hoses or nozzles can fly out under compressor pressure. Make sure the connections are tight.

**WARNINGS:**

1. There is risk of dust or dirt being released if the compressor hose or nozzles are not clean when the compressor is turned on.
2. Wearing protective goggles while operating this compressor can protect eyes from flying particles of dust and dirt. Failure to follow instructions may cause property damage, and/or personal injury.
3. Keep out of reach of children.

### 4. POWERING THE COMPRESSOR, INFLATOR OR LAMP

The appliances can be powered either from a supplied battery pack or from a supplied DC power adapter.

#### 4.1 POWERING FROM THE BATTERY PACK

The supplied battery pack powers the compressor or inflator for a short duration, cordless operation. The battery pack should be fully charged initially before use (see paragraph 5 for charging instructions).

To connect the charged battery pack to either the compressor or lamp, align the battery pack so the battery release buttons snap onto the appropriate appliance. The battery pack fits only one way to ensure correct polarity of the contacts. To remove the battery pack, press the battery pack release buttons.

#### 4.2 DC POWER ADAPTER USE

The DC power adapter can power an appliance for a longer period of time from an external 12 volt DC power source.

The DC power adapter has a fused DC plug and connecting cord stored inside the DC power adapter. To use the DC power adapter, first remove the DC plug from its storage in the adapter. Remove the cord from storage, and connect the DC power adapter to the compressor. Make sure it snaps into position. Connect the DC plug to a 12 volt DC source. To remove the DC power adapter, press the release buttons. Put the DC plug and cord in the adapter for storage after use.

**FIGURE 3**



### 5. CHARGING/RECHARGING THE BATTERY PACK

Lead acid batteries require periodic charging to maintain a full charge and to ensure good battery life. All lead acid batteries suffer from self-discharge over time, and more rapidly when they are at higher temperatures. Therefore, these types of batteries need periodic charging to replace energy lost through self-discharge. When the battery pack is not in use, Vector recommends that the battery is recharged at least every 60 days.

All batteries must be recharged as soon as possible after each use. If a battery is allowed to remain in a discharged state, battery life will be reduced.

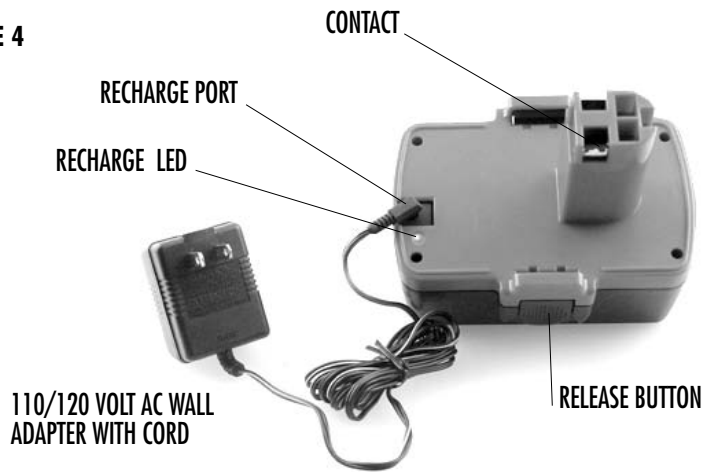
**NOTE:**

Recharging battery after each use will prolong battery life; frequent heavy discharges between recharges will reduce battery life. Overcharging will reduce battery life. Never charge for more than 24 hours.

The time required to fully recharge the battery pack depends on the charge status of the battery after its use. If the battery is discharged from recent use, recharge the battery for 8 hours.

#### 5.1 AC RECHARGE OF BATTERY PACK

AC recharge requires the use of the supplied AC/DC adapter. The AC adapter must be powered from 110/120 volt AC, 60 Hz North American standard AC receptacles. The battery pack must be removed from the compressor (appliance) body to gain access to the recharge port.

**FIGURE 4**

To remove the battery pack from the appliance body for charging, make sure the trigger switch is OFF. Press both battery pack release buttons at the same time. Pull the battery pack down away from the appliance body. Insert the barrel connector of the AC adapter into the battery pack's receptacle (recharge port). Plug the AC adapter into a 120 volt AC standard household receptacle. Observe the red LED lights. Charge for the recommended time. Do not overcharge! Disconnect and store the AC recharge adapter from the battery pack and AC source when not in use.

## 6. COMPRESSOR/TIRE INFLATOR

This 12 volt DC compressor is the ultimate compressor for all vehicles, trailer tires and recreational inflatables. Three different sized nozzles are supplied.

### IMPORTANT:

Read safety instructions carefully to avoid possible injury or property damage.

#### WARNINGS:

The compressor is capable of inflating to 260 pounds per square inch (PSI) pressure (approximately 18 kg/cm). To avoid over-inflation, carefully follow instructions on articles to be inflated. Never exceed recommended pressures. Bursting articles can cause serious injury. Always check pressure with the pressure gauge. Never leave compressor unattended while in use. Allow unit to cool for five minutes after 10 minutes of continuous operation.

### 6.1 TIRE INFLATION OR PRODUCTS WITH A VALVE STEM

1. Place connector (chuck) on valve stem.
2. Push connector toward valve stem and close thumb latch.
3. Make sure connector is pushed onto valve stem as far as possible before closing thumb latch.
4. Turn on the compressor (for larger items the trigger can be latched).
5. Observe pressure with the pressure gauge.
6. When desired pressure is reached, open thumb latch and remove connector from valve stem.
7. Turn off compressor power switch.

### IMPORTANT:

Always leave the tire chuck thumb latch in the open position when storing unit.

### 6.2 INFLATE OTHER ARTICLES (WITHOUT VALVE STEM)

Inflation of items, others than tires, requires use of one of the nozzles (adapters). A nozzle can be attached to the tire chuck, or it can directly be connected to the compressor's outlet, if the hose is removed.

To attach a nozzle to the tire chuck, open the nozzle hatch cover and remove the required nozzle. Place the tire chuck over the nozzle fitting and secure by moving the chuck thumb latch so it is parallel with the hose. Make sure the nozzle is clean and secure before turning on the compressor. After use, release the nozzle from the chuck by lifting the latch. Return the nozzle to the nozzle hatch.

To attach a nozzle directly to a compressor.

1. Remove the hose from the compressor outlet by loosening (counterclockwise) the hose retaining ring and sliding out the ribbed brass fitting.
2. Insert the selected nozzle into the compressor outlet and secure it by tightening the hose retaining ring.
3. After using the compressor, remove and store the nozzle in the nozzle hatch.

Refer to "Typical Inflation Times" for approximate pressure and time. Small items like volleyballs, footballs, etc. inflate very rapidly.

4. Insert nozzle (e.g needle) into item to be inflated and inflate to desired pressure.
5. Turn on compressor switch - inflate to desired pressure or fullness.

## 7. TYPICAL INFLATION TIMES FOR COMPRESSOR USE

The following are approximate pressure and inflation times for various items:

### WARNINGS:

Always follow tire manufacturers recommendations for pressure on item to be inflated.

#### VEHICLE AND TRAILER TIRES

TIRE SIZE	PRESSURE	TIME FROM "0" PRESSURE
155/80R 13"	26 psi	2.50 min.
185/70R 14"	30 psi	4.50 min.
235/75R 15"	30 psi	6.50 min.
235/85R 16"	50 psi	16.00 min.

#### BICYCLE TIRES

TIRE SIZE	PRESSURE	TIME FROM "0" PRESSURE
27 x 1" racing	10 psi	40 sec.

#### INFLATABLE ARTICLES

ITEMS	PRESSURE	TIME FROM "0" PRESSURE
Football	13 psi	24 seconds
Basketball	9 psi	20 seconds
Volleyball	5 psi	6 seconds

## 8. INFLATING

1. Connect the inflator/deflator to either the battery pack or the DC power adapter.
2. Be sure the appropriate nozzle head is attached to the tapered inflating port of the inflator/deflator unit. Push the nozzle onto the inflation port to attach. The inflating port can be identified by location. It is on the side of the unit.
3. Position the nozzle against the valve of the inflatable item. Turn on the unit, and inflate the item to desired firmness. After inflation, move the nozzle away from the valve and turn the switch OFF.

### 8.1 DEFLATING

1. Pull off the nozzle from the inflating port of the unit and reinstall it at the deflating port of the inflator/deflator (on the top of the unit). Press the nozzle to attach.
2. Power the Inflator with either the battery pack or the DC adapter.
3. Position the nozzle against the valve of the inflated item. Turn on the unit and deflate the item.

**NOTE:** If the inflatable item's air valve is equipped with a safety flap, it may be necessary to hold the flap open with a pencil or similarly shaped object to deflate the item.

## 9. LANTERN LIGHT

The lantern light is actually three lights in one. The spotlight provides a bright focused light; a bright, long lasting fluorescent lamp provides general area lighting, and a 3 light LED flashes on and off for emergencies.

The main quartz-halogen spotlight is controlled on and off by a latching trigger switch on the handle. The lantern light is powered by either the 12 volt battery pack or the 12 volt DC power adapter.

A 12 volt DC accessory outlet is located on the side of the unit. This permits cell phone recharging or operation of other 12 volt DC appliances. If the battery pack is installed (3 amp hour, 12 volt battery or 36 watt hours), appliance wattage should be limited to prevent rapid battery rundown.

FIGURE 6



Approximate continuous runtimes on a fully charged battery are:

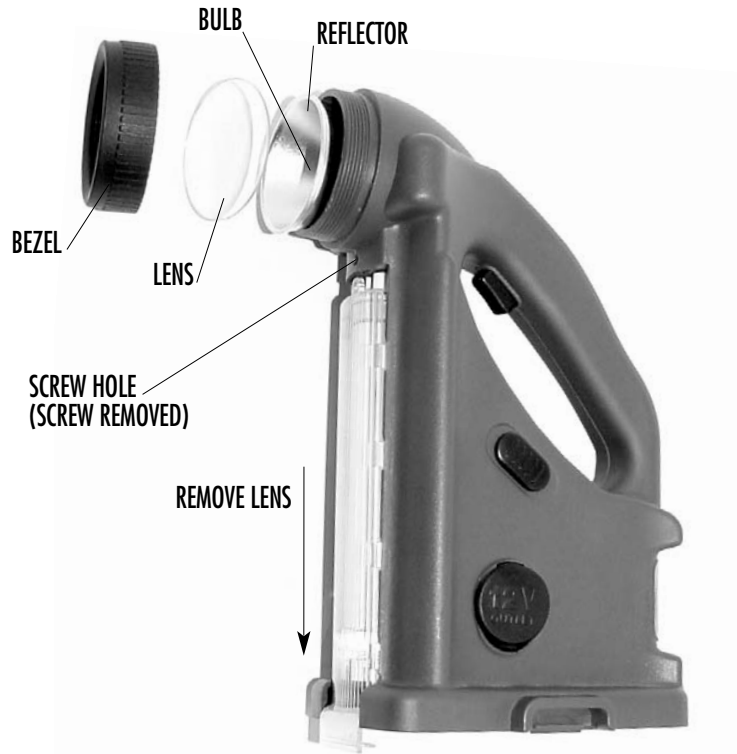
Spotlight	2.5 hours
Fluorescent light	8 hours
Emergency flasher	150 hours

Recharge the battery pack after each use. (Refer to Section 5 for details.)

### 9.1 PARTS REPLACEMENT LANTERN LIGHT

Replaceable parts for the lantern light are:  
The quartz halogen bulb and the fluorescent tube.

**FIGURE 6 - LANTERN LIGHT PARTS REPLACEMENT**



### 9.2 QUARTZ HALOGEN BULB REPLACEMENT

The bulb is a 15 watt, 12 volt, G4 projection type. This type bulb has two connector pins that plug into a socket. The procedure follows:

1. Unscrew the bezel (counterclockwise) and remove the bezel and lens.
2. Hold the reflector in place against the body of the lamp and pull the bulb straight out. Note the location of two socket holes that accept the bulb pins.
3. Using a clean cloth, remove the new bulb from the packing material.

**NOTE:** Do not touch the new bulb with bare hands; oil from fingers can cause premature failure of these bulbs. If the bulb is touched, clean the bulb with alcohol and a clean cloth after the bulb is installed.

4. Push the pins on the new bulb into the socket and make sure the bulb is fully inserted.
5. Replace the lens and bezel.
6. Tighten (clockwise) the bezel until it is snug.
7. Test the light for proper operation by turning it on and then off.

### 9.3 FLUORESCENT LAMP REPLACEMENT

The bulb type is a standard 4 watt, F4T5/D fluorescent tube. A replacement bulb can be purchased from local lighting, hardware or camping stores. The fluorescent lamp tube can be replaced after the front vertical lens is removed. The procedure follows:

1. Remove the battery pack or DC adapter. Using a small Phillips screwdriver, unscrew (counterclockwise) the small screw at the top of the lens.
2. Slide the lens down from the top of the unit and remove the lens. Set the lens aside.
3. Remove the fluorescent tube by turning one-quarter turn so pins at both ends of the tube are released from the sockets.
4. Set the defective tube aside for proper disposal.
5. Put in a new tube, being careful to keep the bulb pins from bending.
6. Rotate the tube one-quarter turn to lock the pins into the sockets.
7. Check the new tube to make sure it is secure in the sockets.
8. Replace the lens, and slide it towards the top of the unit. The screw holes should align.
9. Replace the small screw and carefully tighten with the Phillips screwdriver.
10. Follow local ordinances for fluorescent bulb disposal.

## 10. MAINTENANCE/REPLACEMENT PARTS

For replacement parts (batteries, DC power adapters, AC charging adapters, cables, etc.), contact Vector technical support: (954) 584-4446 or toll free (866) 584-5504. Periodically, cables, hose, nozzles, and connectors should be inspected for damage, corrosion, dust and dirt. If surfaces are dirty, they can be wiped clean with a cloth moistened with water and a drop of detergent. Battery pack contacts can be wiped clean with a dry cloth.

## 11. BATTERY REPLACEMENT

The battery in the battery pack should be replaced with a new one when the operating capacity is reduced to about one half or the ability to inflate one and one half average sized automobile tires. Make sure that the battery is fully charged before determining that the battery pack should be replaced. Contact Vector technical support and ask for part VEC194. This battery pack is also used with other Vector products that include portable inflators and spotlights. For more details, please contact our technical support department toll free (866) 584-5504.

## 11. SPECIFICATIONS

### FOR COMPRESSOR:

Battery	12 volt, 3 Amp hour, non-spillable, sealed lead acid
Compressor	.260 PSI maximum
Weight	1.82 lbs (.83 kg)
Height w/battery	11.25 inches (28.57 cm)
Width	4.0 inches (10.16 cm)
Length	7 inches (17.78 cm)

### LANTERN LIGHT:

Quartz Halogen Bulb	15W, G4
Fluorescent Tube	.F4T5/D



### 1 YEAR LIMITED WARRANTY PROGRAM

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Manufacturing, Ltd., regarding this product. There is no other warranty, other than those described herein.

This Vector Manufacturing, Ltd. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for one year from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. Vector Manufacturing, Ltd. will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to accessories or damage to units from misuse or incorrect installation. Misuse includes wiring or connecting to improper polarity power sources.

**RETURN/REPAIR POLICY:** Defective products, other than accessories, may be returned postage prepaid to Vector Manufacturing. Any defective product, other than accessories, that is returned to Vector Manufacturing within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than one year from the purchase date, Vector Manufacturing will repair the unit or, at its option, replace it free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at Vector Manufacturing's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items after 30 days. During the warranty period, Vector Manufacturing, Ltd. will be responsible for the return shipping charges.

**LIMITATIONS:** This warranty does not cover accessories, bulbs, fuses and batteries, defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department (954) 584-4446 or toll free (866) 584-5504 for general repair information and charges if applicable. You may also contact us through our website at [www.vectormfg.com](http://www.vectormfg.com).

**STATE LAW RIGHTS:** This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

**TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT:** Contact Vector Manufacturing technical support by telephone, fax or mail. We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

**WARRANTY ACTIVATION:** Please complete Warranty Activation Card and mail to Vector Manufacturing. Enter "VEC259" as Model and "Corded, cordless, rechargeable compressor and lantern light combo" as Product Type. All Vector Manufacturing, Ltd. products must be registered within 10 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt to:

**ATTN.: CUSTOMER SERVICE / VECTOR MANUFACTURING, Ltd.**  
4140 SW 28th Way, Ft. Lauderdale, FL 33312  
**PH: 954-584-4446 • TOLL FREE: 866-584-5504 • Fax: 954-584-5556.**  
You may also contact us at our web site [www.vectormfg.com](http://www.vectormfg.com).

WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.